December 21, 1940

Mr. C.E. Howell
W.K.Kellogg's Horse Ranch
Pomona, California

Dear Mr. Howell:

The Museum is planning an exhibition showing the development of the horse from the paleontological records to the present breeds and types.

Since the Arabian is one of the basic types, we would like more first hand information about this breed, such as: types, colors, skeletal relationships, history, and influence on other breeds.

I would like to come out and discuss this with you sometime during the first week of January, if it is convenient.

Yours truly,

Department of Osteology

UNIVERSITY OF CALIFORNIA
COLLEGE OF AGRICULTURE
AGRICULTURAL EXPERIMENT STATION

W. K. KELLOGG ARABIAN HORSE RANCH
POMONA, CALIFORNIA

December 29, 1940

Miss Jane Everest
Department of Osteology
Los Angeles Museum
Los Angeles, California

Dear Miss Everest:

It will be perfectly agreeable to me to have you come out any time at your convenience, and I will attempt to give you any information you desire on the Arabian breed of horse.

Very truly yours,

C. E. Howell

C. E. Howell
Manager

CEH*b

January 22, 1941

Mr. B.A. Bone
3147 Riverside Drive
Los Angeles, California

Dear Mr. Bone:

Here is the list of pictures of horses that we will need for our coming exhibition. We will appreciate any that you can let us have. A side view without rider or harness would be best, of course, but a good type with appropriate gear would be very acceptable.

We now find that 8"x 10" will be better than the larger size I had mentioned the other day. And for display purposes, matte prints would probably be preferable to glossy ones.

Would you be able to let us have the pictures by March first?

The list is as follows:

Palomino ✓

Thoroughbred (a good type--Seabiscuit, perhaps?) ✓

Hackney Horse ✓

Hackney Pony ✓

——Standardbred

Morgan ✓

American Saddle Bred (Rex McDonald?) ✓

Hunter ✓

——Cleveland Bay

Percheron ✓ Shire ✓

——German Coach

Belgian ✓ Arabian ✓

Clydesdale ✓

Suffolk ✓

French Coach Horse ✓

Any of the other French draft breeds

Polo Pony ✓

Shetland Pony ✓

Welsh Pony ✓

If you will be so good as to let us know which ones you don't have on file, we will make some other arrangements for securing them.

Thanking you for your cooperation and interest, I am

Sincerely yours,

Department of Osteology

February 17, 1941

Research Department
Metro-Goldwyn-Mayer Studios
10202 Washington Blvd.
Culver City, California

Dear Sirs:

The Los Angeles County Museum is planning an exhibition about the development of the horse from the paleontological remains to the specialized domestic horses of today.

We would like to include the Lippizaner horse of Austria. That is the type, is it not, that the studio used for the motion picture "Florian"? I wonder if you have any information, gleaned from your research, that you could give us about the origin, history and use of this interesting breed. And do you know where we could secure a good side view photograph of this type?

We would appreciate any help that you could give us in this.

Sincerely yours,

Jane E.

Department of Osteology

Research Department
Metro-Goldwyn-Mayer Studios
10202 Washington Blvd.
Culver City, California

Dear Sirs:

The Los Angeles County Museum is planning an exhibition about the

February 18, 1941

Mr. Bill Rogers
427 N. Cannon Drive
Beverly Hills, California

Dear Sir:

The Los Angeles County Museum is planning an exhibition on the development and history of the horse - the exhibit to open May 9 and continue through August. Included in the gallery will be saddles and bridles, bits and spurs illustrating the different types in use today and yesterday.

Would it be possible to borrow for this exhibit one or two saddles and bridles of your father's collection?

Also, we would very much like to have a photograph of Soapsuds, your father's famous cow-pony, if you have one that you would be willing to let us use.

Thanking you very much for your help, I am

Sincerely yours,

Department of Osteology

BILL ROGERS
BEVERLY HILLS CITIZEN BUILDING
BEVERLY HILLS, CALIFORNIA

February 21, 1941

Miss Jane Everest, Department of Osteology,
Los Angeles County Museum,
Exposition Park,
Los Angeles, California.

Dear Miss Everest:

Concerning the request for a loan of some of our saddles and bridles, I would suggest that you call Mrs. Rogers direct. Her telephone number is CRestview 62655.

Sincerely,

Bill Rogers

Bill Rogers

BR:ak

Call Wed

March 31, 1941

Frasher's Inc.
151 East Second Street
Pomona, California

Dear Sirs:

I have been advised by the County of Los Angeles that they will pay for the picture of the "Native Son", that I personally ordered from you for exhibition purposes, and which you delivered to me by mail on March 27, 1941. I paid for the picture on the day that I placed the order, March 24. I would appreciate it if you would refund the amount to me at the above address when you have received the money from the County of Los Angeles.

However, there has been a mistake made by you of ten cents ($0.10) on the bill, which I found when the picture arrived. If you will look it up, you will find that the bill reads-

1 8x10 Print (Matte) of the Native Son------	$1.00
Tax-------	.03
Mailingg Charge-------	.06
Total	$1.19

As you can see, the addition should read $1.09. The county will pay you the $1.09. And you will then refund me the total that I paid you, which was $1.19.

Hoping that this matter will be straighted out, I am

Sincerely yours,

Department of Osteology

HENRY E. HUNTINGTON LIBRARY AND ART GALLERY

SAN MARINO, CALIFORNIA

April5, 1941

Dear Roland:

I should think it would be quite possible for you to get hold of the Haseltine bronze for exhibition in May. The winner or purchaser is to be announced on April 17 as I understand it, (I having no active part in the matter whatever). The chairman of the committee, Mrs. Douglas Fairbanks, Jr., is in the east, but Mrs. Basil Rathbone is apparently in charge in her absence. She may be reached at 10728 Bellagio Road, Bel Air.

Sincerely yours,

Maurice Block

C O P Y

OFFICE OF THE DIRECTOR IN CHARGE

MEMORANDUM

Date April 7, 1941

TO: Miss Jane Everest

FROM: Roland McKinney

SUBJECT: Bronze Horse by Haseltine

Attached is a copy of Mr. Block's reply to my letter.
I will follow this up later.

April 16, 1941

Frasher's, Inc.
151 East Second Street
Pomona, California

Dear Sirs:

On April 11, I received from you 1 print (Glossy) of a Pinto Burro, from the negative A6422. This was not on my order or on the Los Angeles County Purchase Order no. 61743. We ordered and received 1 print (Matte) of the Native Son, from the negative J3. I wondered if the other were a mistake. I will hold the print from the negative A6422 until I hear from you on this question.

Sincerely yours,

Department of Osteology

April 22, 1941

Miss Leanora Peak
Frasher's, Inc.
151 E. Second Street
Pomona, California

Dear Miss Peak:

We are returning the publication permit, the invoice, and under separate cover, the print of the Pinto Burro from the negative A6422, which was not ordered by us.

We have the one that we wanted, "The Native Son" from the negative J3. You will hear from the Los Angeles County Purchasing Office about the payment of the bill--the details of that you will find in my letter of March 31.

Hoping that this clears up the matter, I am

Sincerely yours,

Department of Osteology

Encl.

Commercial Stationery
Engraving, Framing
Books, Gifts

Commercial Photography
Frasher Scenic Photos
Kodaks, Finishing

Frashers
INCORPORATED
One Fifty-One East Second Street
Pomona, California

April 17, 1941

Miss Jane Everest
Los Angeles Co.Museum of History
Exposition Park,
Los Angeles, California.

Dear Miss Everest:

We wish to thank you for your letter of April 16, concerning the print from the negative A6422.

It is not a policy of the company to allow publication permits and prints to be returned for credit. However, if you do not wish to retain the print of the Pinto Burro and as there was a misunderstanding on our part about the print you wished, please return the print and publication permit and we are give you credit for the amount of the permit,$1.03.

We are sorry about the error in this matter. Thanking you for bringing the matter to our attention,

Sincerely yours,
Frasher's Incorporated

By Leanor Peak

al;

Lists of

Material recd —

particularly saddles

Camarillo, California
April 28, 1941

Received of Mr. A. Camarillo, the following equipment, to be displayed at the Los Angeles Musuem, to be returned to Mr. Camarillo about September 15, 1941:

1 Santa Barbara bit, made in 1875

1 Horsehair cinch, made in 1881

1 Ladies side saddle, California, made in 1870

LOS ANGELES MUSEUM

By_____

THE SOUTHWEST MUSEUM
HIGHLAND PARK
LOS ANGELES, CALIFORNIA

April 23, 1941

Received from the Southwest Museum as a temporary loan terminating on or about_____ 1941, the following articles:

196-L-138	Plains Indian saddle, probably Crow, with two stirrups. Russell W. Crane loan collection.
444-G-177	Tanned deerskin to be used as a saddle throw. Grace Nicholson gift collection.
491-G-2174	Old Navaho saddle. Spanish Colonial type. General Charles McC. Reeve gift collection.
491-G-2176 A-B	Navaho-made bit with jingling ornament. Mexican type. General Charles McC. Reeve gift collection.
867-G-68	Riding quirt, Northern Plains, (Cree). Mrs. Thomas Fleming, Jr., gift collection.

Signed: Los Angeles Museum

By:_____

SOUTHWEST MUSEUM HAS NEVER HAD A CENT OF THE TAXPAYER'S MONEY, PERFORMED ANY SERVICE FOR PROFIT, OR CHARGED ADMISSION TO ITS FACILITIES.

S. M. SPALDING
1203 RICHFIELD OIL BUILDING
LOS ANGELES, CALIFORNIA

April 30, 1941.

Miss Jane Everest
c/o Los Angeles County Museum
of History, Science and Art
Exposition Park
Los Angeles, Calif.

My dear Miss Everest:

I hand you herewith the brief data on the two saddles to be delivered to you on the 9th of May at the Los Angeles County Museum at Exposition Park near the Stadium.

EARLY CALIFORNIA SADDLE:

This type, ~~[illegible]~~ rare, is one evolved from the Mexican type, which carried a much higher and somewhat larger horn and decidedly higher cantle. The covering forming the seat and skirts entitled "muchere" is a very simple and more primitive example than that found in later saddles.

PERIOD (estimated) 1860-1875.

CALIFORNIA SADDLE -
(SANTA BARBARA - SANTA INEZ SECTION):

A fine example of the work of one Loomis of Santa Barbara. The tree is light; the line is graceful; the leather carving closely resembling the Spanish work of early date.

PERIOD 1880-90.

Might I ask that you notify me about the time your exhibition is to close and if possible the date upon which I may send for the saddles.

With best personal regards,

Yours very truly,

S. M. Spalding.

SMS/P

J. M. ALKOW GALLERIES

One blue & white saddle rug

#687-Z

Recieved by Los Angeles County Museum
on loan for exhibition

Jane Everett
Dept of Osteology

April 30 1941

Returned Aug 28 1941

6237 Wilshire Boulevard « Telephone WEbster 6569 » Los Angeles, California

May 29, 1941

Received of Mrs. Lois G. Castle, Castle Green, Pasadena

1 Italian Jumping Saddle, used by Col.
Kito in the 1932 Olympics,
to be used in the exhibition --The Ascent of Equus--until the end of August, 1941,
and to be held until called for in the fall.

DEPARTMENT OF OSTEOLOGY

Parker 13310 Bradford Blvd. San Fernando
4 racks
5 saddles
Visalia-type with "taps"
mexican with plain stirrups
Kentucky Spring seat
Racing (used by Johnny Adams
Exercise
±2pr spurs
Chilean with heel rests and pr Calif. Spurs
Mexican with large rowels
1 Argentine bridle (2 parts to this)

racing saddle?
Parker?
2 Mexican ring bits Parker
saw bits

Spalding , 1203 Richfield Building, L.A. Ranch at Goleta
2 saddles
early Calif.
Loomis Calif.
2 racks

Camarillo, Camarillo Ranch, Calif.
1 Santa Barbara bit box with Reyoung bit
1 horsehair cinch
1 ladies' side saddle, Calif.

Mexico vase + bits + picture from saddle gallery - room 40

Bohlin,
Arab saddle
Thompson
martingale
saddle
bridle

extra racks?
Bohlin?

together in box
Reyoung
Bay. saddle - Room 40
French bit. ~~box with Camarillo bit~~

~~an extra cowboy saddle~~
an extra Mex. side saddle museum
Pomona College Library book in metal case room 40

Material borrowed
Horse Show

Loan of 1 Army McClellan Saddle and Bridle, with bits, and saddle blanket---F.Hall, Museum Helper

Photographs of horses, 17 in number from B.A.Bone, Los Angeles
Photograph of Raseyn, Arabian Horse from the WK Kellogg Horse Ranch

Three Cave paintings (Reproductions) from the History Dept. - one retd

Two paintings done by a Comanche Indian--History Dept. - retd

Bits, bridles, spurs, to the number of 11 ---History Dept.

24 Original prints from Kennady's, New York

1 reproduction, made by D, Bovee of horse of Coronado
-------History Dept.

1 Book - True Hist of Conquest of Mexico - Pomona College Libe

2 Greek bits - (6th B.C.) (Bit ring) — Merlo
1 piece of Greek horse - "

3 Side Saddles } 2 retd
1 "Mule Skinners" } 1 lost 1 kept.
1 Texas Saddle }

Delpuerg recd 7/21/41 { 1 Velvet saddle (Model) 18th Bavarian
1 Bit - French - 15th —

1 Side Saddle - Workman

From Mr. Parker.
5 Saddles - 5 racks
1 Kentucky Spring seat
1 Exercise
1 Racing
1 Mexican
1 Vaquero
3 prs Spurs
7 bits
1 Harkaway.

over

from Mr Camarillo

1 bit
1 cinch
1 side saddle

Victor Mello
2 amphoras
1 muzzle-bit
2 Greek bronze bits
6 coins
1 fragment of cup

DuBrock Riding Assn
1 English saddle

Frank X. Pfaffinger - bronze horse + delft horses

Mr. D. Llewellyn - 1 silver-mtd saddle ret'd ##
Ms. Lane " " " " " ##

Horse Show

Borrowed Material
Bones

Przewalski's Horse, U.S.National Museum no. 23811 (skull and jaws)
received in February, 1941 with jaw broken
mended here, rod reinforcement necessary.
Kiang, American Museum of Natural History no. 117569 (skull and jaws)
received March 10,1941

Equus stenonis, American Museum of Natural History no. 14368 (skull, jaws
except posterior portion low jaw missing)
received March 10,1941

Mesohippus plaque, California Institute of Technology
two horses and skull on plaque. Permission
is granted to remove the odd skull.
received March 10,1941.

T fossils

Burro skull, Dr. Loye Miller

To: Mr. Woodward
Mrs. Whittier

Memo: Materials borrowed from the History Department for display in the Horse Show.

2 Pre-Historic rock pictures, copies of the Frobenius drawings

1 Picture of Cornnado, made by Diana Bovee

1 Pr. 17th Century spurs L1969-1

1 Pr. Texas Cowboy spurs, belonging to Saddle s--A 1073

1 Pr. Mexican Spurs--Silver inlay on blue steel

1 Spur, only, early California Type 1830's-1880's

1 Spur, only, silver inlay--A4811-663 1840

1 Pr. Spurs---A 2339 -1830

1 Pr. Spurs--L 16 - No. 113 Jockey

1 Pr. Spurs--A 2904-7 Nickel Plated Spurs 1860's

1 Spanish Bit -L16-707

1 Navaho bit and bridle--A 4570 - 4

1 Mexican bit and bridle--A 4570

1 Lady's Side Saddle--A 241

1 Chinese Saddle -- L 1397

1 Texas Cowboy Saddle--A 3320

1 Mochika, silk emb. 1 pr. Half

1 Japanese Saddle, bit and bridle -- L 1824 to Gregor

1 Texas Saddle -- A 1073

1 Silver-mounted bit, bridle and saddle-- Coronel Collection

1 18th Century Mexican Side Saddle

Material borrowed from the History Department

2 Pre-Historic rock pictures, copies of the Frobenius drawings

1 Picture of Coronado, made by Diana Bovee

1 pr. 17th Century Spurs

1 pr. Texas Cowboy spurs, belonging to Saddle of A 1073

1 pr. Mexican Spurs--Silver inlaid on blue steel

1 spur, early California type.

1 spur, silver inlaid---A 4811-663

1 pr. spurs---A 2339

1 pr. spurs---L 16 - No. 113

1 pr. spurs---A 2904-7

1 Spanish bit

1 bit, bridle--Navaho-- A 4570 -4

1 bit, bridle--Mexican--A 4570

1 Lady's Side Saddle---A241

1 Chinese Saddle--- L 1397

1 Texas Saddle--A 3320

1 Mochilla

1 Japanese Saddle, bit and bridle-- L 1824

1 Texas Saddle--- A 1073

1 Silver-mounted bit, bridle, and saddle--Coronel Collection

rec'd Aug. 21, 1941

May 29, 1941

Mr. D. E. Llewellyn
335 Muirfield Road
Los Angeles, California

Dear Mr. Llewellyn:

I wanted to take this opportunity to thank you for your cooperation in letting us use your saddle for the Horse Show.

The gallery of saddlery will close at the end of August, and we will be able to return your material about September 15. If for any reason you should want it before that time, I know we can make any arrangements that are necessary.

Hoping to see you and your friends often at the exhibit, I am

Sincerely,

Department of Osteology

ret'd Aug. 28, 1941
Hawaii

May 29, 1941

Mr. J. M. Alkow
6237 Wilshire Blvd.
Los Angeles, California

Dear Mr. Alkow:

I wanted to take this opportunity to thank you for your cooperation in letting us use that saddle blanket for the Horse Show.

The gallery of saddlery will close at the end of August, and we will be able to return your material about the 15th of September. If for any reason you should want it before that time, I am sure we can make any arrangements that are necessary.

Hoping to see you and your friends often at the exhibit, I am

Sincerely,

Department of Osteology

ret'd 8/6/41

May 29, 1941

Mr. W. G. Lane
1554 Hill Drive
Los Angeles, California

Dear Mr. Lane:

I wanted to take this opportunity to thank you for your cooperation in letting us use your saddle for the Horse Show.

The gallery of saddlery will close at the end of August, and we will be able to return your material to you about September 15. If for any reason you should want it before that time, I know we can make any arrangements that are necessary.

Hoping to see you and your friends often at the exhibit, I am

Sincerely,

Department of Osteology

May 29, 1941

Mrs. Lois G. Castle
Castle Green
Pasadena, California

Dear Mrs. Castle:

I want to thank you again for letting us use that fine saddle for the Horse Show. It will create much interest, I know.

We will put it on exhibition in about two weeks, when we will have some changes in the saddlery.

During the next four months it will be a pleasure for one of us to be with you at any time that you and your friends may wish to see the exhibit. If our further explanation of the charts and display material appeals to you as a way of deriving more enjoyment from the Show, please do not hesitate to call in advance, so we may know the time you wish to come.

Sincerely,

Department of Osteology

May 29, 1941

Mr. Victor Merlo
6214 Leland Way
Hollywood, California

Dear Mr. Merlo:

I wanted to take this opportunity to thank you for your cooperation in letting us use your Greek and Roman material for the Horse Show.

The gallery of saddlery, where one case of your material is, will close at the end of August, and we will be able to return the objects to you about the 15th of September. If for any reason you should want any of it before that time, I know we can make all the arrangements necessary.

Hoping to see you and your friends often at the exhibit, I am

Sincerely,

Department of Osteology

May 29, 1941

Librarian
Pomona College Library
Claremont, California

Dear Sir:

I wanted to take this opportunity to thank you for your coope ation in letting us use the book - "The True History of the Conquest of New Spain" - for the Horse Show.

The gallery of saddlery, where the book is displayed, will close at the end of August, and we will be able to return it to you about September 15. If for any reason you should want it before that time, I know we can make any arrangements that are necessary.

Hoping to see you and your friends often at the exhibit, I am

Sincerely,

Department of Osteology

May 29, 1941

Mr. Edward Bohlin
5760 Sunset Blvd.
Hollywood, California

Dear Mr. Bohlin:

I wanted to take this opportunity to thank you for your cooperation in letting us use your saddles for the Horse Show.

The gallery of saddlery will close at the end of August, and we will be able to return your material about September 15. If for any reason you should want them before that time, I know we can make any arrangements that are necessary.

Hoping that we will see you and your friends often at the exhibit, I am

Sincerely,

Department of Osteology

May 29, 1941

Miss Anne W. Workamn
2425 So. St. Andrews Place
Los Angeles, California

Dear Miss Workman:

I wanted to take this opportunity to thank you for your cooperation in letting us use your mother's saddle for the Horse Show.

The gallery of saddlery will close at the end of August, and we will be able to return your material to you about the 15th of September. If for any reason you should want it before that time, I know we can make any arrangements taht are necessary.

Hoping to see you and your friends often at the exhibit, I am

Sincerely,

Department of Osteology

May 29, 1941

Mr. Ivon D. Parker
13310 Branford Blvd.
San Fernando, California

Dear Mr. Parker:

I wanted to take this opportunity to thank you for your cooperation in letting us use your saddles, bits, and spurs for the Horse Show.

The gallery of saddlery will close at the end of August, and we will be able to return your material about the 15th of September. If for any reason you should want any of it before that time, I know we can make any arrangements that are necessary.

Hoping to see you and your friends often at the exhibit, I am

Sincerely,

Department of Osteology

May 29, 1941

Mr. S. M. Spalding
1203 Richfield Oil Bldg.
Los Angeles, California

Dear Mr. Spalding:

I wanted to take this opportunity to thank you for letting us use your saddles for the Horse Show.

The gallery of saddlery will close at the end of August, and we will be able to return your material about September 15. If for any reason you should want them before that time, I know we can make any arrangements that are necessary.

Hoping to see you and your friends often at the exhibit, I am

Sincerely,

Department of Osteology

May 29, 1941

Senor Adolfo Camarillo
Camarillo Ranch
Camarillo, California

Dear Senor Camarillo:

I wanted to take this opportunity to thank you for your cooperation in letting us use the saddle, bit and cinch for the Horse Show.

The gallery of saddlery will be closing at the end of August, and we will be able to return your material about September 15. If for any reason you should want them before that time, I know we can make any arrangements that are necessary.

Hoping to see you and your friends often at the exhibit, I am

Sincerely,

Department of Osteology

UNIVERSITY OF CALIFORNIA
COLLEGE OF AGRICULTURE
AGRICULTURAL EXPERIMENT STATION

W. K. KELLOGG ARABIAN HORSE RANCH
POMONA, CALIFORNIA

June 1, 1941

Mr. John A. Comstock
Director of Science
Los Angeles County Museum
Los Angeles, California

Dear Mr. Comstock:

It was indeed a pleasure to see the tremendous interest shown in the "Ascent of Equus" recently given at the Los Angeles County Museum.

I am very much interested in trying to get authentic material to prove, or disprove, the statement often made that "the Arabian horse has only five lumbar vertebrae". Some years ago this ranch furnished you the skeleton of the Arab stallion Deyr. You now have this skeleton on display at the museum. I took particular notice of this skeleton. It seems to me that he possesses six lumbar vertebrae, but that the fifth and sixth vertebrae the transverse processes have ossified and have simply grown together. I would appreciate it very much indeed to have your opinion on the skeleton of Deyr.

We recently sent the body of a three year old mare to the Museum and as soon as it is possible to study the skeletal parts I would appreciate a statement from you as to whether she has six or five lumbar vertebrae, and if you will notify me I would like to come in and examine her skeleton.

Very truly yours,

C. E. Howell

C. E. Howell
Manager

CEH*b

	lumbar	total thoracic + lumbar		Sacral
Deyr	6	23 (17)		5
Blackie	6	24	18 thoracics including 1 with floating rib	5
Racehorse	6	24	18 rib	5
Mule	6	24	18 "	5

June 6, 1941

Mr. C. E. Howell
W.K. Kellogg Arabian Horse Ranch
Pomona, California

Dear Mr. Howell:

Dr. Comstock has referred your letter of June 1, regarding the vertebral count of the Arabian horse, to me. As you observed, Deyr has 6 lumbar vertebrae. We find, however, that the thoraic series numbers only 17, giving a total count of lumbars and thoraics of 23. This is in contrast to the skeletons of race horse and draft horses at hand which have 18 thoraics and 6 lumbars, a total of 24. This is in accord with some authorities who have stressed the combined total of thoraics and lumbars as of more importance than the lumbar count alone.

As for the fusion of the processes in the lumbar region in Deyr, apparently this is not of any particular importance as we find the same condition in some of the other horses compared.

This matter is one of great interest to us, and we are looking forward to examining the mare that you have recently sent. The skeleton is in process of preparation at present, but should be ready for study within a week. We shall let you know of a more definite date shortly.

Sincerely yours,

Department of Osteology

June 6, 1941

Mr. C. E. Howell
W. K. Kellogg Arabian Horse Ranch
Pomona, California

Dear Mr. Howell:

Los Angeles Times

July 5, 1941

Dear Miss Everest:

Our records show that on May 16 we released to you a photograph of Blackie, the old fire horse, to be used in connection with some Museum project. We have no record that this photograph was returned. Please feel free to retain the picture if you still have a need for it, but if you use of it is accomplished, its return at your earliest convenience would be appreciated so that we may clear the matter from our files.

Yours very truly,

Stuart Wells

Stuart Wells
Times News Bureau

July 8, 1941

Mr. Stuart Wells
Times News Bureau
Los Angeles Times
212 West First Street
Los Angeles, California

Dear Mr. Wells:

I received your letter yesterday concerning the picture of "Blackie" the fire horse that we had borrowed sometime ago.

The picture was mailed to the Times in early May in the self-addressed envelope that you had enclosed when you sent the picture to me.

In case it has been lost, we will gladly let you have a print from the ome that we made.

Yours truly,

_____
Department of Osteology

August 27, 1941

Mr. A. Camarillo
Camarillo Ranch
Camarillo, California

Dear Mr. Camarillo:

The exhibition of saddlery at the Museum is now coming to a close.

Our truck is going through Camarillo next Tuesday, September 2 and, if convenient, could deliver to you at that time the material which you so kindly lent us.

I should be glad to hear from you if this arrangement will meet with your approval.

Thanking you again for your cooperation in making this exhibition possible, I am,

Sincerely yours,

August 27, 1941

Mr. S. M. Spalding
1203 Richfield Oil Building
Los Angeles, California

Dear Mr. Spalding

The exhibition of saddlery at the Museum is now coming to a close.

Our truck is going through Goleta next Tuesday, September 2, and if convenient with you could deliver at that time the saddles which you so kindly lent us.

I should be glad to hear from you if this arrangement will meet with your approval, or if you would prefer to send for your material as suggested in your letter of April 30 addressed to Miss Everest of our staff.

Thanking you again for your cooperation in making this exhibition possible, I am,

Sincerely yours,

Hildegarde Howard

August 28, 1941

Mr. Ivon D. Parker
13310 Bradford Blvd.
San Fernando, California

Dear Mr. Parker:

The exhibition of saddlery in connection with the Museum's "Horse Show" is now coming to a close.

Our truck will be available next Wednesday or Thursday, September 3 or 4, to deliver to you the saddles, bits and spurs which you so kindly lent us. Would you please let me know if this will be convenient for you?

We have so much appreciated your cooperation in this exhibition. With my own personal thanks -- and by proxy for Miss Everest (who is ill at home) and Dr. Comstock (who is on vacation), I am,

Very sincerely yours,

Hildegarde Howard
Department of Paleontology

September 15
1 9 4 1

Mr. David Llewellyn
335 Muirfield Road
Los Angeles, California

Dear Mr. Llewellyn:

In closing our files for the 'horse show', we are again reminded of the very great assistance you gave to the Museum in connection with the event.

This gives me the opportunity of expressing my gratitude and heartfelt appreciation, and that of our staff, for the personal interest which you evidenced and the material which you so kindly placed at our disposal.

The "Ascent of Equus" was an outstanding exhibition in our program of special shows. It was made possible only because of the splendid cooperation given us by the exhibitors, and the enthusiasm which this engendered in our workers.

Sincerely,

JOHN A. COMSTOCK

JAC-W

Curator of Science

Above letter sent to:

A. Camarillo, Camarillo Ranch, Camarillo, Calif
Carleton Burke, 6 Berkeley Square, Los Angeles
M. R. Harrington, Director → Southwest Museum, Museum Drive, City
→ M. H. DeYoung Memorial Museum, Golden Gate Park, S.F.
J. M. Alow, 6237 Wilshire Blvd., Los Angeles
Edward Bohlin, 5760 Sunset Blvd., Hollywood
Ivon D. Parker, 13310 Bradford Blvd., San Fernando
Miss Anne W. Workman, 2425 So. St.Andrews Blace, L.A.
S. M. Spalding, 1203 Richfield Oil Bldg., L.A.
David Llewellyn, 335 Muirfield Road, los Angeles

October 17
1 9 4 1

Mr. C. E. Howell, Manager
W. K. Kellogg Arabian Horse Ranch
Pomona, California

Dear Mr. Howell:

This letter reaches you very late, for which I am sorry, but due to an illness I was away from the Museum for some weeks.

However, the sksleton of the three-year old mare that you sent us recently is ready for any study that you may wish to make. We find that she had 17 thoraic and 6 lumbar vertebrae, as did Deyr, our other Arabian.

We would be happy to have you see the skeleton any time you wish. I am here Mondays through Fridays. If you should happen to come before 1 o'clock on Monday or 10 o'clock on other days, use the back door which faces on Exposition Boulevard, for the Museum is not open to the public before those hours.

Sincerely yours,

JE-W

Department of Osteology

UNIVERSITY OF CALIFORNIA
COLLEGE OF AGRICULTURE
AGRICULTURAL EXPERIMENT STATION

W. K. KELLOGG ARABIAN HORSE RANCH
POMONA, CALIFORNIA

October 19, 1941

Miss Jane Everest
Department of Osteology
Los Angeles County Museum
Los Angeles, California

Dear Miss Everest:

Many thanks for your letter of October 17 concerning the skeleton of the Arabian mare "El Sakbe".

I shall be in at the first opportunity to make a study of this skeleton.

Very truly yours,

C. E. Howell

C. E. Howell
Manager

CEH*b

POMONA COLLEGE LIBRARY

CLAREMONT, CALIFORNIA

October 18, '41

Received back from Los Angeles County Museum —

Historia Verdadera de la conquista de la nueva-Espana... Bernal Diaz del Castello. 1632. M972.02 D543

Marion J. Ewing
Assistant Librarian

CC-2M-9-40

November 17, 1941

Mrs. Lois G. Castle
Castle Green
Pasadena, California

Dear Mrs. Castle:

We very much appreciate your generous loan of the Italian Jumping saddle used by Col. Kito in the Olympics, which was shown in our exhibition of saddles.

As we are now completing our files on this exhibition we should like to have your saddle safely in your hands before the end of the year.

Please let us know when it would be convenient to have us deliver it to you.

Sincerely,

Department of Osteology

November 17th
1 9 4 1

M. H. DeYoung Memorial Museum
Golden Gate Park
San Francisco, California

Gentlemen:

In your catalogue of the "Horse Show" for 1932-33 you have a photograph of Durer's "The Great Horse" which we should like very much to be able to reproduce in a pamphlet which we are preparing in connection with our exhibition on the evolution and history of the horse. Can you grant us the permission to reproduce this picture? If not, can you tell me who is now the owner of the print, to whom I may write in this regard.

Sincerely yours,

HILDEGARDE HOWARD

HH-W

Department of Paleontology

November 17th
1 9 4 1

Editor
Journal of Heredity
Room 306 Victor Building
Washington, D. C.

Dear Sir:

In preparing a pamphlet to accompany our exhibition on the evolution and history of the horse, we find that two illustrations from an article in volume 21 of your magazine are very pertinent to our subject. The pictures are the frontispiece and figure 13 of the article by Emilio Solanet, translated by Thornton Chard, (pp.451-480), entitled "The Criollo Horse." We should like very much to secure permission to reproduce these pictures. Would you be able to grant this permission?

Thanking you for your assistance in this matter, I am,

Sincerely,

HILDEGARDE HOWARD

HH-W

Department of Peleontology

November 17
1 9 4 1

Mrs. Will Rogers
Will Rogers Ranch
Pacific Palisades, California

Dear Mrs. Rogers:

We are preparing a pamphlet in connection with the exhibition on horses at the Museum and would like to reproduce in it the photograph of "Soap-suds" which you have so kindly allowed us to use in the exhibition itself. The pamphlet is in the nature of a catalogue of the exhibition, giving the story of the development and history of the horse, illustrated by the most important features of the exhibit. Would you have any objection to the use of the picture of Mr. Rogers' pony in this publication?

Sincerely yours,

HILDEGARDE HOWARD

HH-W

Department of Paleontology

November 17, 1941

Mr. Victor Merlo
6214 Leland Way
Hollywood, California

Dear Mr. Merlo:

The list of books that we need information about to complete our bibliography is as follows:

Burckhardt--Civilization of the Renaissance in Italy

Lamb--Greek and Roman Bronzes

Michallis--A Century of Archeological Discoveries

Grieschische Plastik

Mommsen--Roemische Geschichite

Mommsen das Weltreich der Caesaren

I trust that this will not be too much for you to bring on Wednesday when you come in to the Museum.

Sincerely,

Department of Paleontology

November 17th
1 9 4 1

New York Zoological Society
New York, N. Y.

Gentlemen:

For our exhibition on the evolution and history of the horse and the catalogue of the exhibit we are in need of photographs of certain forms which I believe you may have in your files.

Will you kindly tell me if the following species are available in 5 x 7 or 8 x 10 prints, and if so what the price is, also, if you would permit publication of such prints in our catalogue (with proper credit given, of course):

Przewalski's Horse
Onager
Zebra
Nubian Ass
Quagga
Kiang
Mustang

For our purpose a full side view, or at least three-quarter view, of the entire animal is to be preferred.

Thanking you for your information, I am,

Sincerely,

HILDEGARDE HOWARD

HH-W

Department of Paleontology

NEW YORK ZOOLOGICAL SOCIETY

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Director, Aquarium
WILLIAM BEEBE
Director, Tropical Research

SOCIETY'S OFFICE . . 630 5th Ave., Circle 5-5750
ZOOLOGICAL PARK . Bronx Park, Raymond 9-2090
AQUARIUM . . . . Battery Park, Whitehall 4-1560
TROPICAL RESEARCH Bronx Park, Raymond 9-2090

November 22, 1941

Miss Hildegarde Howard
Department of Paleontology
Los Angeles County Museum of History
Exposition Park
Los Angeles
California

Dear Miss Howard:

We can supply photographs of Przewalski's Horse, the Onager, Zebra and Kiang from your list of November 17. We can supply a picture of an Abyssinian Ass as a substitute for the Nubian Ass. We have no picture of the Quagga or the Mustang. These prints, all of which are 5 x 7, can be supplied at 50¢ each, with permission to reproduce in your catalog with credit.

Yours very truly,

William Bridges

Curator of Publications

ZOOLOGICAL PARK: WILLIAM BRIDGES, *Curator of Publications;* LEE S. CRANDALL, *Curator of Birds;* JEAN DELACOUR, *Technical Consultant;* RAYMOND L. DITMARS, *Curator of Reptiles and Insects, Honorary Curator of Mammals;* LEONARD J. GOSS, *Curator of Health;* CLAUDE W. LEISTER, *Curator of Mammals and Educational Activities* • *AQUARIUM:* CHRISTOPHER W. COATES, *Aquarist;* ROSS F. NIGRELLI, *Pathologist*
DEPARTMENT OF TROPICAL RESEARCH: JOCELYN CRANE, *Technical Associate;* GLORIA HOLLISTER, *Research Associate;* JOHN TEE-VAN, *General Associate*

LOS ANGELES COUNTY MUSEUM OF HISTORY • SCIENCE AND ART
EXPOSITION PARK • LOS ANGELES • CALIFORNIA
CABLE ADDRESS "LAMUSEO"

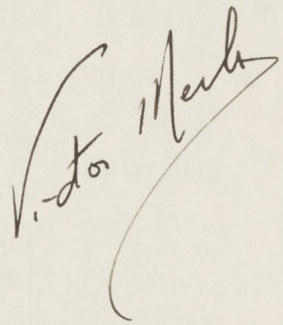
Returned to Mr. Merlo, September 3, 1941 From "Horse Show"

1 Greek Amphora (picture of rider with mounting stick)

1 Roman Stirrup

1 Battle picture, from ~~mxxxk~~ mosaic

2 Photographs of mounted horsemen (from saddlery gallery exhibit)



THE MUSEUM • OTIS ART INSTITUTE AND HANCOCK PARK ARE MAINTAINED BY THE COUNTY OF LOS ANGELES UNDER THE CONTROL OF A BOARD OF GOVERNORS AND FORM THE COUNTY DEPARTMENT OF HISTORY • SCIENCE AND ART

Received to saddle, returned from Los Angeles Museum

Signed Louis J. Castle

November 25, 1941

M. H. DE YOUNG MEMORIAL MUSEUM
Golden Gate Park,
San Francisco, California

December 11, 1941

Miss Hildegarde Howard
Department of Paleontology
Los Angeles County Museum of
Science, History and Art
Exposition Park
Los Angeles, California

Dear Miss Howard:

In answer to your letter of November 17th, Durer's "The Great Horse" was lent us by M. Knoedler & Co. for our 1933 exhibition. I do not know whether or not they still have it, but you might write to them and inquire about it.

Sincerely yours,

Genevieve K. Benton

Mrs. Murray Benton
Supervisor of Exhibits

GKB:GDD

December 22nd
1941

Dear Miss Howard:

For your return
from a few months
stay in Mexico, and
find your letter of
Nov 27th.

I have no objection to
the use of the picture of
Mrs Rogers wearing pony
boy studs in the

pamphlet the women
are preparing. I'm
afraid it's all - I am
coming over to visit
the women - again
after the voting week.

With best wishes

Sincerely

Betty Rogers

445 Ocean Blvd
Santa Monica Calif

February 5th
1 9 4 2

Cupples and Leon Company
New York, N. Y.

Gentlemen:

In our exhibition, "The Ascent of Equus", depicting the development and history of the horse, we have used photographs of certain of the drawings by Mr. Howard L. Hastings in his book "Animal Life in the Wilderness." We are now contemplating a catalogue, or handbook, of this exhibition and would like to know if we can secure from you, as holders of the copyright on the book, the right to reproduce these pictures in our publication. Specifically they are the drawings on pp.10, 153, 155, 157, 158, 159, 160. Credit would be given to your company as well as to Mr. Hastings. The pictures would be part of the assembled groups of fossils, labels and illustrations which tell the story of each period of geologic history in which the horse appears.

We would appreciate your cooperation in this matter.

Sincerely yours,

HILDEGARDE HOWARD

HH-W

Department of Paleontology

February 5th
1 9 4 2

Mr. Harold J. Cook
Cook Museum of Natural History
Agate, Nebraska

Dear Mr. Cook:

In our exhibition of the development and history of the horse, we have used a photograph of the Mustang which appeared in your father's article in Natural History for 1919.

We are now preparing a handbook of this exhibition and would like very much to reproduce this photograph in our publication. As you were the one who took the picture originally, I wonder if we could get permission from you to use the one at the bottom of p.106, or will it be necessary to contact Natural History Magazine?

We shall greatly appreciate your cooperation in this matter, as Mustang pictures are really very difficult to get -- as I believe you know.

Sincerely yours,

HILDEGARDE HOWARD

HH-W

Department of Paleontology

February 5th
1 9 4 2

M. Knoedler & Company
New York, N. Y.

Gentlemen:

In publishing a handbook in connection with our exhibition of the history and development of the horse, we should like to include among our illustrations "The Great Horse" by Dürer. As it is our understanding that you own the original, we would be grateful to you if you will grant us permission to reproduce a photograph of it (which we have) in our publication.

Sincerely yours,

HILDEGARDE HOWARD

HH-W

Department of Paleontology

CUPPLES & LEON COMPANY

Publishers

460 FOURTH AVENUE · NEW YORK

CABLE ADDRESS "CUPLEON" N.Y. A.B.C. 5TH ED. IMPROVED

LIBRI IN LIBRA

ARTHUR T. LEON, PRESIDENT & TREASURER
WALTER T. LEON, VICE PRESIDENT

February 10, 1942

Miss Hildegarde Howard
Dept. of Paleontology
% Los Angeles County Musuem of History, Science, and Art
Exposition Park
Los Angeles, Calif.

Dear Miss Howard:

We are in receipt of your letter of February 4 and will grant you permission to reproduce the pictures you mention in your letter which are in our book ANIMAL LIFE IN THE WILDERNESS.

This permission is granted with the condition that you give credit to the author as well as to the publisher.

Also, we would like to have a copy of the catalogue or hand book as soon as it is printed.

Very truly yours,

A T Leon

ATL:MS

CUPPLES & LEON COMPANY

M. KNOEDLER & CO., INC.
14 EAST 57TH STREET
NEW YORK
PARIS, 22 RUE DES CAPUCINES
LONDON, 15 OLD BOND STREET
CABLE ADDRESSES
"KNOEDLER"
NEW YORK PARIS LONDON

February 10, 1942.

Los Angeles Museum of History, Science and Art,
Exposition Park, Los Angeles, California.

Attention: Miss Hildegarde Howard.

Dear Madam:-

We shall be pleased to grant permission for you to use the Dürer "Great Horse" in your forthcoming publication. Naturally we shall expect the customary acknowledgment, "Courtesy of Knoedler Galleries".

Awaiting your further pleasure, we remain,

Very truly yours,

M. Knoedler & Co., Inc.,

W. J. Collins.

WJC/C.

Telegraph Address
Harrison, Nebraska

HAROLD J. COOK
Consulting Geologist
Agate, Nebraska

February 12, 1942

Dr. Hildegarde Howard
Los Angeles County Museum
Exposition Park
Los Angeles, California

Dear Miss Howard:

I have your letter of February 5th, asking permission to use the photograph of the Mustang which appeared in father's article in Natural History.

This picture was also used in father's book, "Fifty Years on the Old Frontier" (P. 63), published by Yale University Press, and copyrighted by them. However, this copyright was duly assigned to my father, a few years ago, and the copyright assignment duly recorded in the U.S. Patent Office, in father's name. We have had occassion to check up in this, in connection with father's new book, "Longhorn Cowboy", now in press (Jointly, --G. P. Putnam's Sons, and World Book Compan y, New York) as they wanted to use certain excerpts from the former book, in the latter; and we furnished them with photostatic copies of this record and transfer; so I know this is correct. (They are NOT using this photo.) We granted them permission to use the excerpts they wanted.

Father died January 27th, very suddenly. However, as I am named in his will as sole beneficiary, and administrator, when the necessary legal red tape is unwound, I will be in a position to give you full authority to use this. However, as I took the original picture, and as we now have full control of it, there would seem to be no possibility that any difficulty could arise from any source in your using a reproduction of this photo for the handbook that you now have under preparation there; and I can assure you that I am glad to have you make use of it in this manner. We realize the difficulty of obtaining photos of authentic Mustangs, at this time. This one had the old line stripe down his back, and paralellel, distinctly seen transverse stripes above his "knees", in front, which can be seen, even though not too clearly, in this photograph, and a faint line stripe, from the top of the withers, tapering and fading out downward, on each shoulder. His mane nearly conceals this marking, in this photo.

Trusting that this will clear the matter up for you, and with personal regards and appreciation of the fine work being done in your museum

Sincerely yours,

Harold J. Cook

Harold J. Cook

Mr. & Mrs Frank Belcher, Jr

Coda Madera Ranchs

Pine Valley, Calif

Walsh
Warner Bros. Studios
L.A.

M R Harrington
Southwest Museum
Highland Park, L.A.

Parker
13310 Bradford Blvd
San Fernando

Spalding
1303 Richfield Oil Bldg
L.A.

Carrillo
639 E. Channel Rd.
Santa Monica Canyon
Santa Monica, Calif.

Burke
808 S. Broadway
L.A.

Crosby
10500 Camarillo
North Hollywood

Hibbler
120 de La Guerra Studios
Santa Barbara

McLaglen
3221 Hyperion
L.A.

Perkins
257 La Arcada Bldg.
Santa Barbara

Banning
Walnut, Calif.

W.G. Lane
1554 Hill Dr.
L.A.

Zanuck
20th Century Fox Studios
Hollywood

Dr Lane Claire - Cal Tech

Miss Edith Peckham
2440 Olive Avenue, altadena

Mrs L H Tempest - 745 S. Gramercy Place
L.A.

Mr Hans N. von Koerber - U.S.C.

Howard Willoughby - Cal Tech

Dr Brock's Riding Academy
3224 Riverside Dr.
L.A.

M.G.M.

Wrigley
410 No Michigan
Chicago, Ill.

Hazeltine
1041 Hillcrest Rd
Pasadena

Harris
695 So. El Molino Ave
Pasadena

Henne
~~691 S Grand Ave~~
~~Pasadena~~
(312 Grand Ave ?
S. Pasadena ?)

Clark
U.S Marshal
Department of Justice
L.A.

Macomber
14 Berkeley Sq.
L.A.

Miss Anne W. Workman
2425 So. St Andrews Pl.
L.A.

Merritt
~~9383 W. Olympic Blvd~~
~~B. Hills~~
332 S. Plymouth
L.A.

Winnett
923 San Vicente
Santa Monica

Norcross
? 673 Siena Way
~~W.L.A.~~ Bel Air

Wecter
11013 1/2 Strathmore Ave
West Los Angeles

Mullin
1180 Oxford Road
San Marino

Warner
Warner Bros Studio
L.A.

Washburn
305 E Orange Grv.
Sierra Madre

C E Howell
Kellogg Arabian Horse Farm
Pomona, California

Mr J M Alkow
6237 Wilshire Blvd.
L.A.

Librarian
Pomona College Library
Claremont, Calif.

B.A. Bone
3147 Riverside Dr.
L.A.

Llewellyn
335 Fairfield Rd
L.A.

Dr Loye Miller
Dept of Zoology
U.C.L.A.

Edw Bollin
5760 Sunset Blvd
Hollywood, Calif.

Victor Mendo
6214 Leland Way
Hollywood

Mr Fred A. Puryear
L.A. Turf Club, Inc.
Santa Anita Park
Arcadia

Berkeley
County Court House
L.A.

(over)

Belcher -
Rancho Carta Madera
Pine Valley, Caly.

Butler
514 S. Mariposa
LA.

LeBaron
20th Century Fox
Hollywood, Caly

Batteson
501 Hoheny Road
Beverly Hills

Bixby
Rancho Los Alamitos
Long Beach

Senor Adolfo Camarillo
Camarillo Ranch
Camarillo, Caly

Walt Disney
c/o Disney Studio
Alameda St.
Burbank

Howard, C S
Huntington Hotel
Pasadena

Mayer -
625 Ocean Front
Santa Monica

Mitchell
40 Palm Ave
Montecito, Caly

Murphy
de la Guerra Studio
Santa Barbara

Roach
610 N. Beverly Ave.
Beverly Hills

Rogers
c/o Will Rogers Ranch
Pacific Palisades

Sepulveda
3432 S. Hoover St
LA.

Sheehan
1197 Angelo Dr
Beverly Hills

Trevor ✓
507 Shatto Pl. ok

Mr Jack Holt
1217 Corsica Dr.
P. Palisades
Mrs J. A. Ford

Valentine
1296 S. Oak Knoll Av.
Pasadena

K H J
9:15
all-year club

Creamer ok.
11365 Glendon
W. L. A.

Need –
Mrs Cecil B de Mille – 2000 de Mille Dr.
Laughlin Park
Mr+ Mrs George Gard de Sylva – Hollywood
444 Faring Rd, Holmby Hills
Mrs J M Mealy
Mira Monte Ranch, Miramar, Calif
Miss Patricia Stinson (Marshal)
1060 W Kensington, L. A.
Mr+ Mrs Lynn Howard
904 N. Bedford Beverly
B. Hills

Incomplete

Inventory

List

Alfred R Watt

Barrington, Ill

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Mrs 5-24-1

Miss Everest

Art Dept

Miss. Thompson

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4. DESIGNA
5. USE SEP

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DESCRIPTION

SIZE: INCHES WIDE BY INCHES LONG

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NUM

GRADE OF PAPER SUBSTANCE

C. E. Howell

W. C. Calloff graduate

Horse Ranch

Pomona, Cal

INSURANCE
510 WEST 6TH STREET MUTUAL 2192

Tues. Nov. 26

Henry Baker
Sta No 5-6101

Joe Fleet

Long Bch 4-1493

3815 Pacific

Dr Hans N. von Koerber

DuBrock's Riding Academy
3224 Riverside Drive
Los Angeles, California

Mr. George Richelieu
M.G.M. Research Department
10202 Washington Blvd.
Culver City, California

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ENT OF HISTORY • SCIENCE AND ART

Signed rec'ts for

material rec'd

See also Outgoing Shipping Orders

Contemplated Plans for Restoration of the Exhibit

THE ASCENT OF EQUUS

In two A cases and a pedestal case between (pedestal case which Tapir was formerly in and which is now on loan to the Art Division until the end of the India Show)

Pedestal Case -- Mount of Eohippus

LABEL

A Case No. 1

EOHIPPUS

Skull, front and hind feet of Eohippus venticolus
Wind River Basin, Wyo.
Lower Eocene Casts

and endocranial cast of Eohippus cf. validus
San Juan Basin, New Mexico
Lower Eocene Cast
Orig. endocranial cast in
Peabody Museum, Yale

MESOHIPPUS

Skull of Mesohippus bairdi
Near Douglas, Wyoming
Lower Oligocene
Loaned by Calif. Instit. Tech.

front and hind feet Mesohippus (bairdi?)
White River, Nebraska
Lower Oligocene Casts

MERYCHIPPUS

Skull, front and hind feet of Merychippus isonesus
and endocranial cast Mascall, Oregon,
Middle Miocene
Loaned by Calif. Instit. Tech.

PLIOHIPPUS

Skull of Pliohippus interpolatus
Hemphill, Texas
Middle Pliocene Cast
Original at Univ. California

and front and hind feet Pliohippus mexicanus chihuahua
Valley of the Papigochic, Mexico Pliocene
Loaned by Calif. Instit. Tech.

LABEL -- Tertiary fossil horses (title label)

(Note: I think there should be a descriptive label here indicating the main lines of development and how the one-toed forms are already established before the end of the Tertiary)

A Case No. 2

Skull, front and hind feet of Equus occidentalis
and endocranial cast Rancho La Brea, Calif.
Upper Pleistocene

Skull, front and hind feet of Equus caballus
and endocranial cast Arabian Horse from
Kellogg Horse Ranch
Pomona, California
Recent

Skull, front and hind feet of Equus burchelli "bohmi"
and endocranial cast Grant's Zebra
Native of Africa
Recent

LABEL -- Fossil and Recent species of Equus (title label)

(Note: There should be a descriptive label here indicating the possible relationships of E. occidentalis to the horse or the zebra. This should include some mention of the fact that there is only one wild horse living -- Przwalski's. Either here or in the 1st. A case there should be a short remark regarding the development of the brain).

Things to be done before this exhibit can be reinstalled:

Make endocranial casts of Arabian Horse and Zebra (and find the one of Equus occidentalis)

Mount the front and hind feet of the Arabian Horse

From California Institute procure front and hind feet of Plichippus (with data).

From California Institute procure endocranial cast of Merychippus and the skull from which it was made.

Prepare text for the main label (to appear on both introductory panels).

Prepare text for case labels (one in each of the A cases).

Contemplated Plans for Restoration of the Exhibit

THE ASCENT OF EQUUS

In two A cases and a pedestal case between (pedestal case which Tapir was formerly in and which is now on loan to the Art Division until the end of the India Show)

Pedestal Case -- Mount of Eohippus

LABEL

A Case No. 1

EOHIPPUS

Skull, front and hind feet of Eohippus venticolus
Wind River Basin, Wyo.
Lower Eocene Casts

and endocranial cast of Eohippus cf. validus
San Juan Basin, New Mexico
Lower Eocene Cast
Orig. endocranial cast in
Peabody Museum, Yale

MESOHIPPUS

Skull of Mesohippus
Near Douglas, Wyoming
Lower Oligocene
Loaned by Calif. Instit. Tech.

front and hind feet Mesohippus (bairdi?)
White River, Nebraska
Lower Oligocene Casts

MERYCHIPPUS

Skull, front and hind feet of Merychippus isonesus
and endocranial cast Mascall, Oregon,
Middle Miocene
Loaned by Calif. Instit. Tech.

PLIOHIPPUS

Skull of Pliohippus interpolatus
Hemphill, Texas
Middle Pliocene Cast
Original at Univ. California

and front and hind feet Pliohippus

Loaned by Calif. Instit. Tech.

LABEL -- Tertiary fossil horses (title label)

(Note: I think there should be a descriptive label here indicating the main lines of development and how the one-toed forms are already established before the end of the Tertiary)

A Case No. 2

Skull, front and hind feet of Equus occidentalis
and endocranial cast
Rancho La Brea, Calif.
Upper Pleistocene

Skull, front and hind feet of Equus caballus
and endocranial cast
Arabian Horse from
Kellogg Horse Ranch
Pomona, California
Recent

Skull, front and hind feet of Equus burchelli böhmi
and endocranial cast
Grant's Zebra
Native of Africa
Recent

LABEL -- Fossil and Recent species of Equus (title label)

(Note: There should be a descriptive label here indicating the possible relationships of E. occidentalis to the horse or the zebra. This should include some mention of the fact that there is only one wild horse living -- Przwalski's. Either here or in the 1st. A case there should be a short remark regarding the development of the brain).

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From California Institute procure endocranial cast of Merychippus and the skull from which it was made.

Prepare text for the main label (to appear on both introductory panels).

Prepare text for case labels (one in each of the A cases).

THE ASCENT OF EQUUS

The development of the horse

Beginning with little Eohippus, this exhibit traces the development of the horse through forty-five million years of natural evolution and a few hundred years of domestication.

In addition to general increase in size, the changes which the horse has undergone in the course of its natural evolution are:

Change	Result
Loss of outer toes and reduction or fusion of forelimb bones	Leg capable of motion in fore-and-aft direction only
Foot lengthened and raised so that only tip of toe touches ground	Length of stride increased, hence greater speed obtainable.
Neck and facial part of skull lengthened	Animal can feed from ground in spite of long legs.
Crowns of teeth lengthened, cement added, and enamel folds increased.	A dental equipment capable of grinding harsh grasses.

Man's domestication of the horse has involved the selection of individuals for breeding which will produce lighter, swifter steeds, or heavier, more powerful animals according to the requirements of the time and locale. At first breeding was entirely utilitarian, but is now continued largely for pleasure, involving characters of gait and appearance.

Beginning with little Eohippus, this exhibit traces the development of the horse through forty-five million years of natural evolution and a few hundred years of domestication.

The changes which the horse has undergone in the course of its natural evolution can be correlated with changing climatic conditions. Vast areas once covered with forests gave way to grasslands as the climate became increasingly arid. The horse, originally a forest animal, developed greater and greater swiftness of foot, and its teeth, once capable of chewing only the softer vegetation of the forests, became strong enough to grind harsher food. Thus, as the forests diminished, the horse was able to survive on the open grassy plains, admirably adapted to run from its enemies and to feed upon harsh grass.

In addition to general increase in size, the structural changes which took place in the horse are as follows:

10" type body 14" label

TERTIARY FOSSIL HORSES

The early lineage of the horse can be traced in the fossil record of America. Starting with little Eohippus of the Eocene Epoch of the Tertiary Period, the horses found in deposits of progressively later age became increasingly more similar to the horses of today. Before the end of the Tertiary, one-toed horses were in existence.

In this exhibit, the skull and front and hind feet (toe through heel, or wrist) of specimens from each epoch of the Tertiary are shown, representing development through about 45 million years. Brain casts from the early and middle Tertiary are included. Note the general increase in size of the animals, gradual diminishing of the side toes, lengthening and strengthening of middle toe and foot bone, elongating of facial part of skull, increase in length of tooth crown, increase in development of cerebrum of brain.

The middle Tertiary represents a most important period in horse development. At that time a transition between short-crowned and long-crowned teeth occurred. In horses of the genus Merychippus the milk teeth were short-crowned (rooted at the jaw line) as in Eohippus and Mesohippus, while the adult teeth had the deeply-rooted type of crown which can move up to the jaw line as the tooth surface is worn away. This long-crowned type of tooth, highly developed in Equus, provides the horse with a dental battery capable of enduring a long life-time of grinding harsh food.

Specimens of Equus, the genus of horses as we know them today are shown in the adjacent case.

EOHIPPUS

Skull: Eohippus borealis; Big Horn Basin, Big Horn Mts., Wyoming

Feet: Eohippus venticolus; Wing River Basin, Wyoming

Brain Cast: Eohippus cf. validus; San Juan Basin, New Mexico.

Lower Eocene Casts

MESOHIPPUS

Mesohippus bairdi

Skull: Douglas, Wyoming; loaned by Calif. Institute of Technology

Feet (Casts): White River, Nebraska.

Lower Oligocene

MERYCHIPPUS

Merychippus isonesus

Mascall, Oregon; loaned by California Institute of Technology

Middle Miocene Skull, feet and brain cast

PLIOHIPPUS

Skull (Cast): Pliohippus interpolatus; Hemphill, Texas

Feet: Pliohippus mexicanus; Valley of the Papigochic, Mexico

Lent by California Institute of Technology

Middle Pliocene

EQUUS

The modern type of horse, genus Equus, first appeared in the Pleistocene Epoch, a section of geologic time which began about a million years ago.

The skeleton of Equus exhibits a continuation of the evolution noted in the Tertiary horses. The middle toe and foot bones are longer and stronger, and the crowns of the teeth are not only larger, but they are straighter.

The brain apparently underwent very little change after the middle Tertiary. The over-all size increased, but at a pace not quite equal to the lengthening of the facial part of the skull. The greatest development of the cerebrum was accomplished by Miocene time (see Merychippus in adjacent case).

Compared with the millions of years represented in the Tertiary Period, the time which has elapsed since the appearance of Equus in the Pleistocene, is very short. Consequently it is not surprising to find modern horses very similar to those of the Pleistocene. A number of species of Equus have developed, however, giving rise to zebras, asses, and other lesser known horse-like creatures, as well as the horse of today. The skull, feet and brain cast of a zebra and an Arabian horse are shown here in comparison with the fossil Equus.

There is but one species of true wild horse still living, the wild horse of Mongolia, Equus prezwalskii, Domestic horses have been given a separate species name, Equus caballus. The so-called "wild" horse of America was derived from escaped domestic stock.

EQUUS

Equus occidentalis

Rancho La Brea, California Pleistocene

EQUUS

Equus caballus

Arabian Horse, Kellogg Horse Ranch, Pomona (Recent)

EQUUS

Equus burchelli böhmi

Grant's Zebra; native of Africa Recent

EARLIEST AMERICAN HORSE

Eohippus borealis Granger

Eohippus or "dawn horse" - earliest known ancestor of the modern horse - lived in North America during the lower Eocene, 40-50 millions of years ago. Preservation of the remains of these small animals is usually fragmentary, and only rarely are fossil materials found complete enough to permit construction of a mounted skeleton. The specimen on exhibit consists of a skull of one individual and skeleton of another.

Eohippus displays many striking differences when compared with a modern horse. A few of these are: tiny size, (height at shoulders, 13 inches), long body with arched back, generalized relations of the bones of the legs, 4 functional digits in the front foot and 3 in the hind, low crowned cheek-teeth with pre-molors unlike the molars.

Living in the shelter of forests, which prevailed widely over North America during the Eocene, this ancient member of the horse family was a browsing rather than a grazing animal. Eohippus had not yet acquired the fleetness of foot that distinguishes its larger plain-dwelling descendants of later geological time.

Plaster replica of specimen at California Institute of Technology from Bighorn Basin, Big Horn Mountains, Wyoming.

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omit

Skull, No. 3530; skeleton, No. 3531; Calif. Inst. Tech. Vert. Pale. Coll. Collected by Edward L. Troxell; specimen prepared and mounted by Wm. Otto.

Locality.- Big Horn Basin, Big Horn Mts., Wyoming.

Formation and Age.- Gray Bull, Lower Eocene.

use this instead → Plaster replica of specimen at Calif. Institute of Technology from Bighorn Basin, Big Horn Mts., Wyoming.

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work order submitted July 15
for June (aug 1) & Adaptations (aug 15)